

Claims

1. A mattress to be laid on a platform of an adjustable bed having a transformable bed surface, wherein

5 a fixture that engages with the platform to secure the mattress is disposed on a surface of the mattress facing the platform.

2. The mattress of Claim 1, wherein

10 a mesh is formed on a front face of the platform, and the fixture secures the mattress by tightly fitting into one or more interstices of the mesh.

3. The mattress of Claim 1, wherein

15 the fixture is detachable from the platform.

4. The mattress of Claim 1, wherein

20 the fixture is disposed, on the surface of the mattress, in a part of the mattress corresponding to a lower back region of a user lying on the mattress.

5. The mattress of Claim 1, wherein

25 the mattress is used with the adjustable bed including, the platform of which the front face is flexible, a flex mechanism operable to flex the platform to

*replaced by
Art 19*

form a flexion position that includes at least one of a sitting-up position and a knee break, and

a tilt mechanism operable to tilt the front face laterally, and

5 both the flex mechanism and the tilt mechanism are operable with the other mechanism in operating condition.

6. A mattress-equipped adjustable bed having a transformable bed surface, comprising:

10 a mattress of Claim 1.

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ABSTRACT

The present invention relates to a mattress to be laid on a platform of an adjustable bed having a transformable bed surface.

5 On the surface of the mattress facing the platform, a fixture that engages with the platform to secure the mattress is disposed. The fixture may secure the mattress by tightly fitting into one or more interstices of a mesh formed on a front face of the platform.